



4/14/03
[2345/41A]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : HAGENAUER et al. **RECEIVED**
Serial No. : 10/043,710 **MAY 22 2003**
Filed : January 9, 2002 **Technology Center 2600**
For : DECODING METHOD AND DECODING DEVICE
FOR A CDMA TRANSMISSION SYSTEM FOR
DEMODULATING A RECEIVED SIGNAL
AVAILABLE IN SERIAL CODE CONCATENATION
Examiner : K. Burd
Art Unit : 2631

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Date: May 14, 2003
Signature: Linda M. Shudy
Linda M. Shudy (Reg. No. 47,084)

AMENDMENT

SIR:

In response to the Office Action mailed on November 14, 2002, please
reconsider the above-identified application based on the following:

IN THE CLAIMS:

Please amend without prejudice claims 1, 10 to 15 and 17, as follows:

SMW
1. (Amended) A decoding method for demodulating a received signal available in serial code concatenation in a code-division multiple access transmission system, a two-step coding being carried out at the transmitting end of the transmission system, the method comprising:

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providing a soft-in/soft-out decoder in a receiver of the transmission system, a first decoder step of the soft-in/soft-out decoder including an inner decoder and a Hadamard orthogonal multi-step inner code, a second decoder step of the soft-in/soft-out